

WO 03/083113

SEQUENCE LISTING

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<170> PatentIn version 3.1

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Ser Val Thr Asn Asn Asn Asn Asn Thr Asn Gly Gly Ala Val Pro Ala
 515 520 525

Ala Ala Ser Val Gln Ser Thr Ala Val Gly Ala Thr Trp Ser Gly Asp
 530 535 540

Leu Lys Gly Gly Lys Met Asn Ile Asp Leu Asp Asn Leu Leu Met Ser
 545 550 555 560

Lys Ser Gly Lys Pro Ser Ala Pro Ala Pro Ser Met Asn Ala Leu Lys
 565 570 575

Thr Asn Ser Pro Ala Lys Ala Pro Leu Asn Val Gln Thr Gly Gly Gly
 580 585 590

Phe Pro Gly Leu Ser Pro Met Thr Ser Pro Asn Ile Phe Gly Ala Pro
 595 600 605

Ala Pro Gln Gln Ser Ile Pro Gln Asn Gln Ser Ala Phe Ala Asn Phe
 610 615 620

Gly Ala Phe Gln Gln Gln Gln Gln Asn His Ser Asn Asn Asn Asn Asn
 625 630 635 640

Ser Ser Ser Ala Phe Asp Leu Phe Gln
 645

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 <211> 643
 <212> PRT
 <213> Homo sapiens

<400> 5

Met Leu Asn Met Trp Lys Val Arg Glu Leu Val Asp Lys Ala Thr Asn
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Val Val Met Asn Tyr Ser Glu Ile Glu Ser Lys Val Arg Glu Ala Thr
 20 25 30

Asn Asp Asp Pro Trp Gly Pro Ser Gly Gln Leu Met Gly Glu Ile Ala
 35 40 45

Lys Ala Thr Phe Met Tyr Glu Gln Phe Pro Glu Leu Met Asn Met Leu
 50 55 60

Trp Ser Arg Met Leu Lys Asp Asn Lys Lys Asn Trp Arg Arg Val Tyr
 65 70 75 80

Lys Ser Leu Leu Leu Leu Ala Tyr Leu Ile Arg Asn Gly Ser Glu Arg
 85 90 95

Val Val Thr Ser Ala Arg Glu His Ile Tyr Asp Leu Arg Ser Leu Glu
 100 105 110

Asn Tyr His Phe Val Asp Glu His Gly Lys Asp Gln Gly Ile Asn Ile
 115 120 125

Arg Gln Lys Val Lys Glu Leu Val Glu Phe Ala Gln Asp Asp Asp Arg
 130 135 140

Leu Arg Glu Glu Arg Lys Lys Ala Lys Lys Asn Lys Asp Lys Tyr Val
 145 150 155 160

Gly Val Ser Ser Asp Ser Val Gly Gly Phe Arg Tyr Ser Glu Arg Tyr

165										170					175				
Asp	Pro	Glu	Pro	Lys	Ser	Lys	Trp	Asp	Glu	Glu	Trp	Asp	Lys	Asn	Lys				
			180					185						190					
Ser	Ala	Phe	Pro	Phe	Ser	Asp	Lys	Leu	Gly	Glu	Leu	Ser	Asp	Lys	Ile				
		195					200						205						
Gly	Ser	Thr	Ile	Asp	Asp	Thr	Ile	Ser	Lys	Phe	Arg	Arg	Lys	Asp	Arg				
	210					215					220								
Glu	Asp	Ser	Pro	Glu	Arg	Cys	Ser	Asp	Ser	Asp	Glu	Glu	Lys	Lys	Ala				
225					230					235					240				
Arg	Arg	Gly	Arg	Ser	Pro	Lys	Gly	Glu	Phe	Lys	Asp	Glu	Glu	Glu	Thr				
				245					250						255				
Val	Thr	Thr	Lys	His	Ile	His	Ile	Thr	Gln	Ala	Thr	Glu	Thr	Thr	Thr				
			260					265											
Thr	Arg	His	Lys	Arg	Thr	Ala	Asn	Pro	Ser	Lys	Thr	Ile	Asp	Leu	Gly				
		275					280					285							
Ala	Ala	Ala	His	Tyr	Thr	Gly	Asp	Lys	Ala	Ser	Pro	Asp	Gln	Asn	Ala				
	290					295					300								
Ser	Thr	His	Thr	Pro	Gln	Ser	Ser	Val	Lys	Thr	Ser	Val	Pro	Ser	Ser				
305					310					315					320				
Lys	Ser	Ser	Gly	Asp	Leu	Val	Asp	Leu	Phe	Asp	Gly	Thr	Ser	Gln	Ser				
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Thr	Gly	Gly	Ser	Ala	Asp	Leu	Phe	Gly	Gly	Phe	Ala	Asp	Phe	Gly	Ser				
			340					345						350					
Ala	Ala	Ala	Ser	Gly	Ser	Phe	Pro	Ser	Gln	Val	Thr	Ala	Thr	Ser	Gly				
			355				360					365							
Asn	Gly	Asp	Phe	Gly	Asp	Trp	Ser	Ala	Phe	Asn	Gln	Ala	Pro	Ser	Gly				
	370					375					380								
Pro	Val	Ala	Ser	Ser	Gly	Glu	Phe	Phe	Gly	Ser	Ala	Ser	Gln	Pro	Ala				
385					390					395					400				
Val	Glu	Leu	Val	Ser	Gly	Ser	Gln	Ser	Ala	Leu	Gly	Pro	Pro	Pro	Ala				
				405					410						415				
Ala	Ser	Asn	Ser	Ser	Asp	Leu	Phe	Asp	Leu	Met	Gly	Ser	Ser	Gln	Ala				
		420						425						430					

Thr Met Thr Ser Ser Gln Ser Met Asn Phe Ser Met Met Ser Thr Asn
 435 440 445

Thr Val Gly Leu Gly Leu Pro Met Ser Arg Ser Gln Pro Leu Gln Asn
 450 455 460

Val Ser Thr Val Leu Gln Lys Pro Asn Pro Leu Tyr Asn Gln Asn Thr
 465 470 475 480

Asp Met Val Gln Lys Ser Val Ser Lys Thr Leu Pro Ser Thr Trp Ser
 485 490 495

Asp Pro Ser Val Asn Ile Ser Leu Asp Asn Leu Leu Pro Gly Met Gln
 500 505 510

Pro Ser Lys Pro Gln Gln Pro Ser Leu Asn Thr Met Ile Gln Gln Gln
 515 520 525

Asn Met Gln Gln Pro Met Asn Val Met Thr Gln Ser Phe Gly Ala Val
 530 535 540

Asn Leu Ser Ser Pro Ser Asn Met Leu Pro Val Arg Pro Gln Thr Asn
 545 550 555 560

Ala Leu Ile Gly Gly Pro Met Pro Met Ser Met Pro Asn Val Met Thr
 565 570 575

Gly Thr Met Gly Met Ala Pro Leu Gly Asn Thr Pro Met Met Asn Gln
 580 585 590

Ser Met Met Gly Met Asn Met Asn Ile Gly Met Ser Ala Ala Gly Met
 595 600 605

Gly Leu Thr Gly Thr Met Gly Met Gly Met Pro Asn Ile Ala Met Thr
 610 615 620

Ser Gly Thr Val Gln Pro Lys Gln Asp Ala Phe Ala Asn Phe Ala Asn
 625 630 635 640

Phe Ser Lys